Production of coal in underground and open cast mines

827. DR. B. B. DUTTA: Will the Minister of COAL be pleased to state:

(a) the present grade-wise production of coal from underground mines and open cast mines in the country; and

(b) steps taken to produce high quality grade of coal?

THE MINISTER OF STATE OF THE MINISTRY OF COAL (SHRI AJIT KUMAR PANJA): (a) Latest available information regarding grade-wise|mode-wise production of coal in the country during 1993-94 is as follows:

GRADE-WISE PRODUCTION

	Production (million tonnes) 1993-94
Total Coking	45.06
Non-Coking :	
Grade A	4.30
B	21.44
C	47.41
D	29.00
E	38.51
F	56.16
G	0.05
Upgraded	4.11
TOTAL non-cocking	200.98
GRAND TOTAL	246.04

MODE-WISE PRODUCTION

	Production (million tonnes) 1993-94
Underground	75.02
Opencast	171.02
Overall	246.04

(b) Steps taken to produce high quality coal include the following:

(c) Expeding development of ongoing projects and opening of new mines of production of coal-grades required for steel etc.

(ii) Setting up of coal handling arrangements for supply of uniform quality of coal for power and other industries.

(iii) Modificaton and modernisation of existing coking coal washeries.

(iv) Settng up of new washeries for washing of coking coals for use of steel plants.

(v) Setting up of coal beneficiation projects for supply of beneficiated coal mainly for some of the distant power stations located more than 1000 Kms from coalfields.

Output of CIL and SCCL

828. DR. B. B. DUTTA: Will the Minister of COAL be pleased to state:

(a) what is the output per manshift of CIL and SCCL in comparison with Australia and United States during 1990-91;

(b) whether it is a fact that productivity in underground mines has been more or less static during last thirteen years;

(c) if so, reasons for low productivity in coal mines; and

(d) steps taken to improve productivity in underground mines?

THE MINISTER OF STATE OF THE MINISTRY OF COAL (SHRI AJIT KUMAR PANJA): (a) Available productivity figures in terms of output per manshift (OMS) in respect of Australia and the United States compared with Coal India Ltd. (CIL) and Singareni Collieries Company Limted (SCCL) for the year 1990.91 are as under:—

Country	Output per Manshift (Tonnes)	
	Underground	Opencast
Australia (Queensland)	14.9	30.6
United State	19.3	47.7
India		
CIL	0.53	3.31
SCCL	0.65	4.74

(b) and (c) It s a fact that the productivity in underground mines has been more or less satic in Coal India Ltd. during last 13 years. Main reasons for low productivity in Indian underground mines are as under:—

(i) Majority of the underground having geo-mining problems like steep manually.

(ii) Many underground mines are haing geo-mining problems like steep and multiple seams, occurrence of fires and water logged old workings in adjoining areas, builtup surface structures which need protection by sand stowing etc. requiring employment of sizeable workforce for dealing with such unproductive activities.

(iii) High rate of absenteeism.

(iv) Coal companies are required to provide supporting services for workshops ware-houses, water supply colony maintenance etc. through departmental workforce, which gets added to the total manpower for computation of